Contents of Volume 6

NUMBER 1 MARCH 1982

Synergistic Action of Sb_2O_3 with Bromine-containing Flame Retardant in Polyolefins: 3—The Relationship Between Certain Combustion Variables *1*
T. HANDA, T. NAGASHIMA AND N. EBIHARA

The Thermal Behaviour of Lignins Modified by Chlorophosphazenes *7*
H. STRUSZCZYK

The Role of Nitrogen in Nitrogen–Phosphorus Synergism *10*
D. BAKOŠ, M. KOŠÍK, K. ANTOŠ, M. KAROLYOVÁ AND I. VYSKOČIL

Determination of Hydrogen Cyanide in Thermal Degradation Products of Polymeric Materials *13*
J. MICHAL

Fire Safety of Soft Furnishings—An Overview *16*
K. SUMI AND M. V. D'SOUZA

An Investigation of the Variation of Oxygen Index of Materials with Changes in Pressure *23*
A. F. ROUTLEY AND N. P. LUDLAM

Normalized Heat Load: A Key Parameter in Fire Safety Design *27*
T. Z. HARMATHY AND J. R. MEHAFFEY

Inorganic Elements in the Tracheas of Fire Fatalities *32*
P. WILLETTS, R. A. ANDERSON, J. G. FARMER, A. A. WATSON, W. A. HARLAND AND I. M. DALE

Textile Flammability Testing: Appropriate Levels for Moisture Content of Specimens *38*
J. F. KRASNY AND E. BRAUN

Oxidation and Stabilization of Hydrocarbon Polymers: Relationships, New Aspects and Unsolved Problems *42*
J. POSPÍŠIL

NUMBER 2 JUNE 1982

Lightweight Fire Protection of Steel Framed Buildings: Comments on Russian Experience in Use of Light Weight Fire Protection Coverings for Steel Frame Buildings *51*
A. U. YAKOVLEV, V. P. BUSHEV AND F. A. LEVITES

Action of Phosphorus Compounds on Fire-retardancy of Cellulosic Materials: A Review *54*
K. KISHORE AND K. MOHANDAS

The Thermo-oxidative Decomposition, Ignition and Burning of Flame-retarded Polystyrenes *59*
I. MASAŘÍK, J. SVĚTLÍK AND Z. HORÁK

How Well Are We Measuring Smoke? *65*
G. W. MULHOLLAND

Development of an Improved Radiant Heat Source for Fire Testing *68*
A. F. ROBERTSON

Toxic Gas Tests in Perspective *72*
P. G. EDGERLEY

The Delphi Method—A Complement to Research *76*
T. Z. HARMATHY

Modeling of NBS Mattress Tests with the Harvard Mark V Fire Simulation *80*
J. A. ROCKETT

Short Communication

Toxicity of Polyurethane-derived Oxidative Thermal Decomposition Products *95*
A. ZITTING, C. ROSENBERG, S. VAINIOTALO AND H. SAVOLAINEN

NUMBERS 3 AND 4 DECEMBER 1982

An Analysis of Smoldering Fires in Closed Compartments and their Hazard Due to Carbon Monoxide *99*
J. G. QUINTIERE, M. BIRKY, F. MACDONALD AND G. SMITH

A Fire Test Device Suitable for Small-scale Testing of Fire Retardant Coatings *111*
M. KAY AND A. F. PRICE

Fire Test Behaviour of Various Crystal Types of Melamine Phosphate in Intumescent Formulations *119*
M. KAY AND A. F. PRICE

High Temperature Oxygen Index Studies of Halogenated Polyester Thermosets containing Antimony and Molybdenum Oxides *122*
M. DAS, P. J. HAINES, T. J. LEVER AND G. A. SKINNER

Some Stochastic Properties of Fire Plumes *127*
G. COX AND R. CHITTY

A Mathematical Model for Estimating Available Safe Egress Time in Fires *135*
L. Y. COOPER

Smoke Measurements: An Assessment of Correlations between Laboratory and Full-scale Experiments *145*
J. G. QUINTIERE

Note to the Editor

Combustion Product Toxicity: Dependence on the Mode of Product Generation *161*
S. J. WILLIAMS AND F. B. CLARKE